

114th TWO-YEAR COLLEGE CHEMISTRY CONFERENCE

Toward the Second Millenium



TWO YEAR COLLEGE CHEMISTRY CONFERENCE
DIVISION OF CHEMICAL EDUCATION
AMERICAN CHEMICAL SOCIETY

April 12-13, 1991
DeKalb College
Dunwoody, Georgia

COMMITTEE ON CHEMISTRY IN THE TWO-YEAR COLLEGE

Division of Chemical Education, Inc.

American Chemical Society

1991 Roster of Committee Members

Chair	Margot K. Schumm, Montgomery College-Rockville, 51 Mannakee Street, Rockville, MD 20850 Office (301) 279-5000 Home (301) 460-5561	(1994)
Immediate Past Chair	Elliott Greenberg, Prairie State College, 202 S. Halsted Street, Chicago Heights, IL 60411 Home (708) 748-9327 Office (708) 756-3110	(1993)
Chair-Elect	Ed Heath, Southwest Texas Junior College, Garner Field Road, Uvalde, TX 78801 Office (512) 278-4401, Ext. 224 Home (512) 278-9441	(1995)
Treasurer/ College Sponsors	Duane Sell, William Rainey Harper College, 1200 West Algonquin Road, Palatine, IL 60067 Office (708) 397-3000, Ext. 2408 Home (708) 830-2018	(1991)
Membership Chair	Richard F. Jones, Sinclair Community College, 444 West Third Street, Dayton, OH 45402 Office (513) 226-2500 Home (513) 836-9179	(1992)
Industrial Sponsors Chair	Patricia McCoy-Brown, Jefferson Community College 109 East Broadway, Louisville, KY 40202 Office (502) 584-0181, Ext. 277 or 204 Home (502) 425-7606	(1993)
Past Chairs (Members of COCTYC)	John Clevenger, Truckee Meadows Community College, 7000 Dandini Blvd., Reno, NV 89512 Office (702) 673-7221 Home (702) 348-6695	(1992)
	Ralph Burns, St. Louis Community College-Meramec, 11333 Big Bend Boulevard, St. Louis, MO 63122 Office (314) 966-7718 Home (314) 225-9253	(1991)
	Edith Bartley, Tarrant County Junior College, South Campus, 5301 Campus Dr., Fort Worth, TX 76119 Office (817) 531-4754 Home (817) 498-2177	(1991)
Other Past Chairs	Onofrio Gaglione, Jay Bardole, Tamar Y. Susskind, Katherine E. Weissmann, Marion Baker, Douglas Bond, Paul Santiago, John P. Mitchell, William Griffin, Curtis Dhonau, Douglas Bauer (deceased), Cecil Hammonds, Ethelreda Laughlin, William T. Mooney, Jr.	

**2YC₃ Southern Region Advisory Board Meeting
114th Conference
DeKalb College, North Campus
Dunwoody Georgia
Friday, April 12, 1991**

AGENDA

Note: *This is an open meeting. All persons attending the conference are welcome.*

I. Introductions

- A. COCTYC Officers and Past Chairs
- B. Self-introduction of Advisory Board Officers, Members and all others present

II. Minutes from the 113th Conference, Phoenix, Arizona

- A. Advisory Board, Approval page 1
- B. COCTYC, Information page 5

III. Reports

- A. Phoenix College, 113th Conference (3/01 and 02/91)
- B. Treasurer, Duane Sell page 7
- C. College Sponsors, Duane Sell page 8
- D. Membership, Richard Jones page 14
- E. Industrial Sponsors, Patricia McCoy-Brown page 15
- F. Future Meeting Sites, Ed Heath page 17

IV. Role and Function of Advisory Boards

- A. Officers, Action page 20
- B. Members, Action page 21

V. Public Relations

Need for In-depth Study of Community College Chemistry Departments and
Community College Chemistry Faculty and Graduates

VI. New Business

VII. Introduction of Additional Arrivals

VIII. Announcements

IX. Adjournment

**COCTYC Meeting
114th Conference
DeKalb College, Dunwoody Georgia
Thursday, April 11, 1991**

AGENDA

I. Approval of Minutes, Phoenix Conference

II. Report, 114th Conference

Conference hosts, Judy Johnston, Michael L. Denniston, Larry Dickinson and Larry Little

III. Personnel Matters

Election outcome, Chair-Elect, Treasurer

Duties of Chair, Chair-elect and Immediate Past-chair

Editor

Secretary

Advisory Board: Program Chair, Regional Chair, Member, Site Committee

IV. Status of Case Study

V. Recruitment

Members, College Sponsors, Industrial Sponsors, etc.

VI. Profile of Community College Chemistry Programs, Faculty, Students, and Graduates

Development of an instrument that will provide an in-depth Study of Community College Chemistry Departments, Faculty, Students and Graduates

VII. Old Business

Long-range planning

VIII. New Business

IX. Adjournment

The meeting will be held at 7:30 P. M. at the Holiday Inn-Dunwoody. Look for room announcement in the lobby.

**2YC₃ Western Regional Advisory Board Meeting
113th Conference
Phoenix College, Phoenix, Arizona
Friday, March 1, 1991**

Attendance

Seventeen names were listed on the attendance sheet. All attendees were 2YC₃ members. Eight were Regional Advisory Board members.

Opening

The meeting was opened at 9:00 a.m. by the Chair, Margot K. Schumm.

Introductions

The COCTYC officers and past chairs that were present were introduced. Following that, all others introduced themselves.

Minutes

The minutes of the 112th meeting, held at Atlantic Community College in Mays Landing, New Jersey were approved by voice vote.

Reports

1. Elliott Greenberg presented a report on the 112th Conference at Mays Landing, New Jersey. The attendance was lower than anticipated, however, the program was a great success.
2. Duane Sell was not present, but the Treasurer/College Sponsor's report was referenced in the agenda book.
3. Dick Jones, Membership Chair, said 2YC₃ has approximately 470 members, not including new members attending the Phoenix conference. Members that have not paid dues and were not present in Phoenix will be receiving dues notices in about two weeks. A spring questionnaire is going to be mailed to members in order to collect information regarding the community colleges and faculties.
4. Patricia McCoy-Brown, Industrial Sponsors Chair, reported there are currently 23 industrial sponsors. She requested advisory board members to send her names of potential sponsors to add to the current list. Hosts for future meetings were also encouraged to consult with Pat regarding industrial exhibits.
5. Ed Heath, Chair-Elect, is in the process of talking to community colleges about hosting future meetings. The academic year 1993-94 is open and regional advisors are encouraged to make suggestions regarding future meeting hosts. Site-Selection Committee Members will be addressing the selection of future meeting sites shortly after the Atlanta meeting.

Role and Function of Advisory Boards

1. The executive committee has become the Committee on Chemistry in the Two Year College and what was previously the committee has become four regional advisory boards, each with a chairperson.
2. The COCTYC is in the process of developing responsibilities for the regional advisory board chairs and members.
3. The Western Advisory Board discussed the role of the advisory board, in addition to the one meeting a year attendance requirement.
 - a. They need to act as advocates among their colleagues, encouraging membership in 2YC₃, and act as resource people to help provide potential speakers for future meetings in their region.

- b. Advisory board members can assist in finding sponsors that will be willing to help fund meetings, and perhaps assist two year college chemistry faculty with the expenses involved in attending meetings.
 - c. They can also invite colleagues to share expenses in attending meetings, i.e., travel and hotel.
 - d. Tell colleagues how the advisory board members have benefited from meeting attendance in the past. Get the message out to the uncovered.
 - e. Encourage textbook authors to address meetings regarding their objectives in writing their textbook, and, maybe, give suggestions on how to use the book more effectively.
 - f. The theme of the conference is important for attendance justification; i.e., how will meeting attendance benefit the school and the students. The advisory board may be able to provide assistance in developing meeting themes. The theme should not be too restrictive; it can be monolithic, but there should be a variety of alternatives. Workshops can be a means of expanding a meeting's theme. A variety of workshops are planned for the Amarillo College meeting. In terms of continuing education, they are essential. In the past, successful meetings have increased attendance with several scheduled workshops, and have encouraged administrators' support of meeting attendance.
 - g. Another function of the advisory board members is to make connections with high schools, junior highs, elementary schools, and universities, emphasizing the fact that science education and chemical education is a continuum. Community colleges are eminently suited to this process because we know how to deal with the non-traditional learner. We know how to deal with chemistry anxiety. Making those kinds of connections and being there to support these teachers, some of whom have had no chemistry and very little science, is a very good way to assess their needs and how we can address those needs, thus, making a step in the right direction toward supporting the entire educational community.
4. The Western Advisory Board also discussed the function of the officers.
- a. They should help with future conferences.
 - b. They should encourage meeting organizers to attend meetings prior to their own, and discuss specifics regarding setting up and running a meeting.
 - c. Officers should encourage industrial sponsorships by speaking to companies that supply community and junior colleges.
 - d. They should act as clearinghouses for items that go into the newsletters.

Public Relations

1. Margot Schumm was recently a member of an academic team in which she was the only two-year college member. It soon became painfully clear that she and only she had to prove she knew what she was talking about. The high school teacher on the team was never questioned or put on the spot. We need to develop some mechanism for doing an in-depth study of community colleges, their faculty, their students, their programs, something that is sponsored by the American Chemical Society. The study should bring in sociologists from the ACS staff and:
 - a. Look at the role of community colleges in the educational continuum.
 - b. Develop a mechanism to encourage ACS participation.
 - c. Define what members want out of 2YC3.
 - d. Encourage the formation of local chemistry teacher organizations to facilitate the development of respect for what is being done in chemistry education at

- all levels, i.e., Oregon and Kansas.
- e. Publicize innovative activities, from state to state, in ACS publications such as *Chemunity*. John Clevenger has agreed to act as our representative to *Chemunity*.
 - f. Encourage participation in state community college organizations to facilitate such things as articulation. The state legislature in Ohio is becoming increasingly concerned about duplication of funding for courses being offered in community colleges and universities.
 - g. Encourage follow up on what happens to students after leaving the community college; whom do we service and how are we serving them?
 - h. Encourage American Association of Community and Junior Colleges and 2YC₃ interaction, perhaps to the extent of having an official liaison with AACJC.
 - i. Support a study model, suggested by Bill Mooney, which includes a 4 by 3 model where data on four subject areas, curriculum, faculty, students, and resources would be collected in three phases, design a survey and collect data, analyze data, and publish results over a three year period. The data might be published as it comes along, concluding with a final publication summarizing the study and analysis.
 - j. Support an annual slide presentation to AACJC by the 2YC₃ chair on the impact 2YC₃ is having on education in the community college.
2. The percentage of coverage for chemical education in *Chemical and Engineering News*, which is the newspaper of the chemical profession, is very slight. We need to provide the editorial staff with information concerning the good things happening in chemistry education so the people who are out there working and who are going to be hiring our graduates will know what we are trying to do. If good material is continuously submitted, eventually the editor will publish it. For a time there was a two-year college column in the *Journal of Chemical Education*, but it was discontinued due to a lack of articles being submitted. If we do not send in articles, we are not going to make the news.

Announcements and New Business

There were no items under Announcements and New Business.

Introduction of Additional Arrivals

Late arrivals were encouraged to sign the attendance list.

Adjournment

The meeting was adjourned at 10:20 a.m.

Respectfully Submitted,



Ed Heath, Chair-Elect 1991

**COCTYC Meeting
113th Conference
Phoenix College, Phoenix, Arizona
Saturday, March 2, 1991**

Members present

Pat McCoy-Brown, John Clevenger, Elliott Greenberg, Ed Heath, Margot Schumm

Guests

Dwaine Eubanks, Alan Kruse, Pat Moyer, Lucy Pryde, John Weide

Call to Order

Margot Schumm, Chair, called the meeting to order at 4:00 p.m.

Approval of Minutes of COCTYC Meeting, 112th Conference

The minutes of the COCTYC Committee meeting held at Atlantic Community College, Mays Landing, New Jersey were approved as written.

Summary Report of the 113th Conference

Pat Moyer stated that the most annoying problem with the conference had to do with the industrial sponsors. John Weide had trouble getting a list of industrial sponsors to send letters to. The change of office (Industrial Sponsors Chair) led to unusual problems. Paul Elsner, chancellor of the Phoenix College System, donated \$1,500 to support the conference for items such as plaques, van rental, and other expenses. The absence of money worries was a significant contribution to the success of the conference. The old guidelines for soliciting industrial sponsors was not very helpful and need to be updated. Better response from the Industrial Sponsors Chair could also be helpful. Door prizes in the exhibit area were a good idea. Alan Kruse felt the conference planners were fortunate to get Henry Bent to balance content with classroom use of chemistry. This part of the program was arranged 1 1/2 years in advance of the conference. Letters of thanks should be sent to the conference coordinators, the President of the college, and the Chancellor for donating the money. Alan Kruse and Pat Moyer will write Margot regarding "thank you" information. Conference evaluation sheets should be included in the next conference program, and for future conferences. John Weide also agreed to send Industrial Sponsor information to the next Exhibits Coordinator. Elliott Greenberg mentioned that Alan Heiniger will be speaking at the Anne Arundel Conference in Arnold, MD, September 27-29, 1991.

Personnel Matters

1. Duties of COCTYC Members: These duties need to be firmed up. Flow charts of responsibilities and deadlines for officers would be helpful, and may be developed after Atlanta. Dwaine and Lucy suggested it might be helpful to prepare a list of "essential activities to keep the committee running". Also, individuals designated with responsibilities resulting from action items during a committee meeting should receive a copy of the minutes and a reminder from the secretary. John Clevenger suggested a table of action items separate from the minutes would be helpful.
A secretary with a three year renewable term could effectively maintain a set of archives and provide continuity to the organization. It was decided to study the current set of responsibilities and discuss them at the Atlanta meeting. Elliott will take care of the details of sending a summary list of current COCTYC responsibilities to committee members before Atlanta, and members should be prepared to act on this item in Atlanta. Once the duties are defined a flowchart should be formatted and dispersed to all COCTYC members. All COCTYC members will receive a letter requesting their attendance at Atlanta. The

meeting will take place Thursday evening.

2. Secretary: It was decided to send out a call for nominations for secretary in the next newsletter.
3. Counting of Ballots for the Chair-Elect and Treasurer of 1992: Elliott Greenberg will open the ballots April 8, and call Margot with the results.
4. Editor: Continue the search for a 3-year term editor, funded by, but not necessarily a member of COCTYC.

NSF Grants

1. The Dr. Luther S. Williams Letter: The letter was reviewed. It was recommended to make the letter more upbeat and Margot was asked to send the letter as personal correspondence under her college letterhead and not as 2YC₃ correspondence.
2. NSF Case Study: A motion was made and passed to ask for American Chemical Society Division of Chemical Education approval to forward the NSF Case Study as an ACS policy statement. Margot will call Keith Berry to ask for an action item on the Division agenda at the Atlanta meeting.
3. NSF Instrumentation Workshop: Dwaine recommended that 2YC₃ pursue the instrumentation workshop proposal as a Division of Chemical Education proposal, using 2YC₃ conferences as a means of workshop dissemination and evaluation.

Public Relations

Public relations will be placed on the next agenda.

New Buisness

John Clevenger offered COCTYC a place on the San Francisco meeting program for a day symposium focusing on a 2-year college topic, i.e., "The Strengths of Two Year colleges".

Adjournment

The meeting was adjourned at 5:30 p.m.

Respectfully Submitted,



Ed Heath, Chair-elect 1991

**COMMITTEE ON CHEMISTRY
IN THE TWO-YEAR COLLEGE**

STATEMENT OF INCOME AND EXPENSE

FOR THE PERIOD OF 02/11/91 TO 03/15/91

	BEGINNING BALANCE		\$12776.75	
	CURRENT PERIOD	YEAR TO DATE		
	RATIO	AMOUNT	RATIO	AMOUNT
INCOME				
Membership Dues	78.0	1560.00	58.2	2420.00
College Sponsors	20.0	400.00	39.5	1650.00
INTEREST				
Checking Account	2.0	40.23	2.3	94.88
	-----	-----	-----	-----
TOTAL INCOME	100.0	\$ 2000.23	100.0	\$ 4174.88 / 14776.98
 EXPENSES				
TRAVEL	16.2	323.59	8.8	367.34
NEWSLETTER				
Printing & Postage	37.6	752.51	35.4	1478.42
OFFICE	13.8	276.75	6.6	276.75
	-----	-----	-----	-----
TOTAL EXPENSES	67.6	\$ 1352.85	50.8	\$ 2122.51
 NET INCOME (LOSS)	32.4	\$ 647.38	49.2	\$ 2052.37

CURRENT BALANCE \$13424.13

To date 92 Colleges have renewed their COLLEGE SPONSORSHIPS. Please review the list of active College Sponsors enclosed in this Agenda Book. If you know of a college that is not on this list, including your own, please encourage them to become a COLLEGE SPONSOR. This agenda book contains an application form for COLLEGE SPONSORSHIP. Please use it and contact me if you need additional application forms.

Respectfully Submitted

Duane Sell

Duane Sell, Treasurer and
College Sponsor Chairperson

1991 College Sponsors
Active List

printed 03/14/91

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Alvin Community College
3110 Mustang Rd.
Alvin, TX. 77511

Mr. A. Schneider
Amarillo College
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Amarillo, TX. 79178

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Anne Arundel Community College
101 College Parkway
Arnold, MD. 21012

Mr. Robert Ingram
Arizona Western College
P.O. Box 929
Yuma, AZ. 85364

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Moline, IL. 61265

Prof. Larry Eddy
Blue Mountain Community College
2411 N.W. Carden, P.O. Box 100
Pendleton, OR. 97801

Dr. Ken Tasa
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500 College Drive
Lake Johnson, TX. 77566

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Wilmington, NC. 28401

Dr. Bruce McClelland
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2600 NW College Way
Bend, OR. 97701

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Charles County Community College
P.O. Box 910
LaPlata, MD. 20646

Mr. Al Salerno
Clark State Community College
P.O. Box 570
Springfield, OH. 45501

Dr. Michael Corn
College of Lake County
19351 W. Washington St.
Grayslake, IL. 60030

Dr. Rex Widener
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P.O. Box 1238
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Instruct. Director
Columbia Basin College
2600 N. 20th Ave.
Pasco, WA. 99301

Dr. Ralph R. Keiser
Community College of Rhode Island
400 East Ave.
Warwick, RI. 02886

Sharon Kapka, CHM
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Dover, NJ. 07801

Mr. Cullen Johnson
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4140 Southwestern Blvd.
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Dr. Edward C. Fohn
Green River Community College
12401 S.E. 320th Street
Auburn, WA. 98002

Mr. Paul J. Santiago
Harford Community College
401 Thomas Run Road
Bel Air, MD. 21014

Mr. Fred Redmore
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Ms. Elizabeth G Tite
Holyoke Community College
303 Homestead Ave.
Holyoke, MA. 01040

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Hudson Valley Community College
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Troy, NY. 12180

Dr. Ronald Pfister
Hutchinson Community College
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Prof. Albert Krieger
Jackson Community College
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Algonquin and Roselle Roads
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**COMMITTEE ON CHEMISTRY IN
THE TWO-YEAR COLLEGE**

Division of Chemical Education, American Chemical Society

APPLICATION FOR COLLEGE SPONSORSHIP

College name _____ Date _____

Address: (Street) _____

(City) _____ (State) _____ (Zip) _____

Contact Person _____

Prof. Dr. Mr. Ms. Miss Mrs.

Telephone (Area Code) _____ (Number) _____ (Ext) _____

Address (if different from above) _____

All questions and correspondence concerning the 2YC₃ College Sponsorship should be directed to:

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W.R. Harper College
1200 West Algonquin Road
Palatine, IL 60067-7398

Phone: (708) 397-3000 Ext. 2408

Please make check for \$25 payable to:

COMMITTEE ON CHEMISTRY IN THE TWO-YEAR COLLEGE

and return with the completed application to:

DUANE SELL

at the above address

We are a tax exempt organization. Our tax I.D. # is 23-7169683.

Thank you for your sponsorship.

114th 2YC3 MEMBERSHIP REPORT

Total Members 1990 - 547

Renewals 1991 a/o 3/5/91 - 473

Submitted by

Richard F. Jones

March 5, 1991

REPORT OF 2YC3 INDUSTRIAL SPONSORS

Paid Industrial Sponsors to Date: 24

"11 companies exhibited at the 113th 2YC3 at Phoenix College. Also at that time, one of the companies became an industrial sponsor, raising the ante to the current number of 24.

The committee plans to work hard to obtain more industrial sponsors. One strategy we will propose as a means of enticing more sponsors is to offer advertising in the 2YC3 newsletter."

March 26, 1991

Submitted by
Patricia McCoy-Brown

CONFERENCE SUMMARY CALENDAR

FEBRUARY 5, 1991

ACADEMIC

YEAR

113th

(Western)

Mar. 1-2, 1991
Phoenix, AZ

114th(ACS)

(Southern)

Apr. 12-13, 1991
Clarkston, GA

1990-91

115th

(Eastern)

1991-92 Sept. 28-29, 1991
Arnold, MD

116th

(Southern)

Nov. 15-16, 1991
Wilmington, NC

117th(ACS)

(Western)

Apr. 3-4, 1992
Kentfield, CA

118th

(Midwestern)

May, 1992
Dearborn, MI

119th

(Biennial)

Aug. 1992
Davis, CA

120th

(Southern)

1992-93 Oct. 2-3, 1992
Amarillo, TX

121st

(Western)

Nov. 13-14, 1992
Gresham, OR

122nd

(Midwestern)

Apr. 16-17, 1993
Bloomington, MN

123rd(C3)

(Eastern)

June 3-5, 1993
Warwick, RI

124th

125th

126st

127th

128th
(Biennial)

1993-94

February 5, 1991

TWO-YEAR COLLEGE CHEMISTRY CONFERENCE SITES

1990-91 ACADEMIC YEAR

114th CONFERENCE(Southern Region)

(Preceding the ACS National Meeting, Atlanta, GA, April 14-19, 1991)

* **Apr. 12-13, 1991-DeKalb Community College, North Campus, 2101 Womack Rd
Dunwoody, GA 30021 (404) 299-4000
FAX: (404) 299-4301**

Program Theme: TOWARD THE SECOND MILLENIUM

1. Increasing Use of Computers in Chemical Education
2. Increasing Awareness of Hazardous Materials & Safety

Co-Program Chair: Michael Denniston, Science Dept., DeKalb College

OFFICE: (404)299-4097 HOME: (404)292-6683

Judy Johnston, Science Dept., DeKalb College

OFFICE: (404)299-4098 HOME: (404)923-5068

FAX: (404)299-4301

Local Arrangements Chair: Larry Dickinson, Science Dept., DeKalb College, 2101 Womack Rd., Dunwoody, GA. 30338

OFFICE: (404)551-3130 FAX: (404)551-3201

HOME: (404)923-1541

Exhibits Coordinator: Larry Little, Science Dept, DeKalb College, 3251 Panthersville Rd., Decatur, GA 30034

OFFICE: (404)244-5072 FAX: (404)244-2965

1991-92 ACADEMIC YEAR

115th CONFERENCE(Eastern Region)

**Sept. 28-29, 1991-Anne Arundel Community College (AACC), 101 College Parkway, Arnold, MD 21012 (301) 647-7100
FAX: (301) 541-2489**

Program Theme: CHEMICAL EDUCATION-TEACHERS AND TECHNOLOGY

Program Co-Chairs: Paul Kreiss, OFFICE: (301) 541-2548

Sridharan Iyengar, OFFICE: (301) 541-2266

Local Arrangements Co-Chairs: Debbie Reeder, OFFICE: (301) 541-2224

Rita Ailstock, OFFICE: (301) 541-2320

Exhibits Coordinator: Elijah Pugh, OFFICE: (301) 541-2261

116th CONFERENCE(Southern Region)

Nov. 15-16, 1991-Cape Fear Community College, 411 N. Front St. Wilmington, NC 28401 (919) 343-0481

Program Theme: CHEMICAL POTPOURRI

Program Chair: Dale R. Buck, Chemical Tech. Dept., Cape Fear C.C.

OFFICE: (919) 343-0481, ext. 263 HOME: (919) 762-6369

Local Arrangements Chair: Raymond P. Brandi, Marine Tech. Dept., Cape Fear C.C.

OFFICE: (919) 343-0481, ext. 260 HOME: (919) 763-7192

Exhibits Coordinator: William E. Cheek, Chemistry Dept

Central Piedmont C.C., 1201 Elizabeth Ave at

Old Kings Drive, Charlotte, NC 28204

OFFICE: (704) 342-6968 or 6603 HOME: (704) 535-3418

* Indicates new or revised information

February 5, 1991

117th CONFERENCE(Western Region)

(Preceding the ACS National Meeting, San Francisco, CA. April 5-10, 1992)

Apr. 3-4, 1992-College of Marin, 835 College Ave./Sir Francis Drake
Kentfield (Marin County), CA 94904 (415) 457-881
FAX: (415) 485-0135

Program Theme: T.B.A

Program Co-chair: Elizabeth Armstrong, Dean of Sciences, Canada
College, 4200 Farmhill Blvd., Redwood, CA 94061
OFFICE: (415)364-1212 Ext. 291
Laurie O'Connor, Dept. of Chem., Chabot College,
25555 Hesperian Blvd., Hayward, CA 94545
OFFICE: (415)786-6600

Local Arrangements Co-chair: Dr. O.H. Bezirjian and Dr. Lydia
Bearden, Marin College OFFICE: (415)485-9513
FAX: (415)485-0135 HOME: (415)929-7592 (Bezirjian)

Exhibits Coordinator: Dr. Manus Monroe, Marin College
OFFICE: (415) 485-9513 FAX: (415) 485-0135

118th CONFERENCE(Midwestern Region)

May 1992 - Henry Ford Community College, 5101 Evergreen
Dearborn, MI 48128-1495 (313) 271-2750

Program Theme: T.B.A.

Program Chair: Joseph Maguire, Henry Ford Community College
OFFICE: (313)845-9632

Local Arrangements Chair: Joe Muscarella, Henry Ford Comm. College
OFFICE: (313)845-9632

119th CONFERENCE

(In conjunction with the 12th Biennial Conference on Chemical Education)
August 2-6, 1992 - University of California, Davis, CA

* Program Chairs: Daniel White and Linda Zarzana, American River
College, Sacramento, CA 95841

NOTE: SPECIAL REGISTRATION AND EXHIBIT FEES IN EFFECT FOR THIS MEETING.

1992-93 ACADEMIC YEAR

120th CONFERENCE(Southern Region)

October 2-3, 1992-Amarillo College, P.O. Box 447, Amarillo, TX 79178
(806) 376-5111, FAX (806) 371-5370

ADDRESS FOR PACKAGES: 24th and Jackson, Amarillo, TX. 79109

Program Theme: TBA

Program Chair: A.G.(Jerry) Foster, Physical Science Dept.
Amarillo College
(806) 371-5327

Local Arrangements Chair:

Peggy W. Alley, Physical Science Dept.
Amarillo College
(806) 371-5334 or 371-5333

Exhibits Coordinator:

Mary Graff, Physical Science Dept.
Amarillo College
(806) 371-5326

* Indicates new or revised information

February 5, 1991

121st CONFERENCE(Western Region)

Nov. 13-14, 1992-Mt. Hood Community College, 26000 S.E. Stark St.
Gresham, OR 97030 (503) 667-6422 FAX (503) 667-7389
Program Theme: Chemistry and the Environment-Health and Hazards:
Living in the 21st Century
Program Chair: Richard Bolesta, Science Dept., Mt. Hood Comm. Coll.
OFFICE: (503) 667-7361 HOME: (503) 665-6353
Local Arrangements Chair:
Gil Albelo, Science Dept., Mt. Hood Comm. Coll.
OFFICE: (503) 667-7365 HOME: (503) 666-3276
Exhibits Coordinator:
Paul Sunset
HOME: (503) 253-5317

122nd CONFERENCE(Midwestern Region)

Apr. 16-17, 1993-Normandale Community College, 9700 France Ave. South,
Bloomington, MN 55431 (612) 830-9300
Contact Person: Warren Eidsness

123rd CONFERENCE(Eastern Region)

(In Conjunction with C₃ Canada)

- * June 3-5, 1993-Community College of Rhode Island, 400 East Ave.,
Warwick, RI 02886
- * Contact Persons: Harry Hajian, Community College of Rhode Island
Shahid Jalil, John Abbot College, P.O. Box 2000,
Ste Anne De Bellevue PQ H9X 3L9, Canada

{March 13-18, 1994 ACS National Meeting and 5th Chemical Congress of
North America, San Diego}

All 2YC₃ members are urged to make suggestions regarding meeting sites,
program personnel, themes and programming suggestions, in writing, to
Executive Committee members and Program Chairs of the specific
conferences. 2YC₃ can function more effectively to serve all community
colleges when all persons participate. We welcome your suggestions.

PRIMARY RESPONSIBILITIES OF THE REGIONAL CHAIRPERSON

- (a) Must be a current member of the ZYC₃ Advisory Board in the region and, at a minimum, attend the annual Conference in that region.
- (b) Collect and solicit items for the Newsletter. Transmit these items to the Chair, or Newsletter Editor in a timely manner.
- (c) Before each conference in the region, contact the regional Advisory Board members asking them to:
 - 1) Encourage colleagues from college, high school and, if appropriate, elementary and junior high school to attend the conference.
 - 2) Help conference planners with local arrangements and publicity.
 - 3) Attend the conference themselves.
- (d) Help the regional Site-committee Chair to locate future conference sites.
- (e) Help the Membership, Industrial and College Sponsors Chairs by coordinating her/his committee to recruit members, sponsors and Newsletter advertisements.
- (f) Distribute and, if required, collect surveys, questionnaires, ballots, etc. to regional committee members as required by COCTYC, the Division or any other group of the ACS.
- (g) Carry out other assignments requested by COCTYC, the Division or any other group of the ACS.

PRIMARY RESPONSIBILITIES OF A REGIONAL ADVISORY BOARD MEMBER

- (a) Be a current dues paying member of ZYC₃ in the region.
- (b) Attend, as a minimum, the yearly conference held in the region.
- (c) Recruit members, college and industrial sponsors.
- (d) Recruit articles and advertisements for the Newsletter.
- (e) Encourage colleagues from college, high school and, if appropriate, elementary and junior high school to attend the regional conference.
- (f) Help conference planners with local arrangements and publicity.
- (g) Respond in a timely fashion to surveys, questionnaires, ballots, etc. ,
- (h) Perform other assignments as required by COCTYC and/or the Regional Chairperson.

2YC₃ ADVISORY BOARD, REGION I - WESTERN STATES: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming

PROGRAM CHAIR - 1991, and REGIONAL CHAIR

Alan Kruse Pima Community College 2202 West Anklam Road Tucson, AZ 85709 (602) 884-6031			(1993)
Albelo, Gilbert Mt. Hood Community College 26000 S.E. Stark Street Gresham, OR 97030 (503) 667-6422	(1993)	Peter, James R. Cerritos Community College 11110 E. Alondra Blvd. Norwalk, CA 90650 (213) 860-2451	(1993)
Armstrong, Elizabeth Canada College 4200 Farm Hill Blvd. Redwood City, CA 94061 (415) 237-3291	(1991)	Romer, Christine Cerritos Community College 11110 E. Alondra Blvd. Norwalk, CA 90650 (213) 860-2451	(1991)
Chase, Jody Truckee Meadows Community College 7000 Dandini Blvd. Reno, NV 89512 (702) 673-7221	(1991)	Scott, Peter Linn-Benton Community College 6500 SW Pacific Blvd. Albany, OR 97321 (503) 928-2361	(1992)
Collins, Carolyn Clark County Community College 3300 East Cheyenne Avenue N. Las Vegas, NV 89030 (702) 456-4109	(1991)	Sherman, Ruth Los Angeles City College 855 N. Vermont Avenue Los Angeles, CA 90029 (213) 669-4223	(1992)
Hubbs, Robert DeAnza College Cupertino, CA 95014 (408) 996-4774	(1991)	Wasserman, William Seattle Central Community College 1701 Broadway Seattle, WA 98122 (206) 587-3858 (Site-Selection Committee Member)	(1991)
Hubscher, Arthur Ricks College Rexburg, ID 83460-0500 (208) 356-1930	(1991)		(1991)
Lungstrum, Richard A. American River College Sacramento, CA 95841 (916) 484-8464	(1992)		

2YC₃ ADVISORY BOARD, REGION II - SOUTHERN STATES: Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, Puerto Rico, South Carolina, Tennessee, Texas

PROGRAM CHAIRS - 1991		REGIONAL CHAIR
Michael Denniston and Judy Johnston DeKalb College 555 N. Indian Creek Dr. Clarkston, GA 30021 (404) 299-4097, and 4098	Dale R. Buck (1993) Cape Fear C.C. 411 N. Front St. Wilmington, NC 28401 (919) 343-0481, x 263	Ann Cartwright (1991) San Jacinto College- Central Campus 8060 Spencer Highway Pasadena, TX 77505-2007 (713) 476-1882 (Site-Selection Committee Member) (1993)
Alley, Peggy (1992) Amarillo College P.O. Box 447 Amarillo, TX 79178 (806) 371-5334	Fowler, Art (1992) Hiwassee College P.O. Box 619 Madisonville, TN 37354 (615) 442-2520, ext. 280	
Ballard, Paula (1992) Jefferson State Junior College 2601 Carson Road Birmingham, AL 35215 (205) 853-1200	Graham, James (1991) J.C. Calhoun Community College Decatur, AL 35620 (205) 353-3102	
Barber, Anne (1992) Manatee Junior College 5840 26th Street W. Bradenton, FL 33506 (813) 755-1511	Harrison, Lester W. (1991) Hinds Community College Raymond, MS 39154-0999 (601) 857-3285	
Bell, Alex (1992) Trident Technical College P.O. Box 10367 Charleston, SC 29411 (803) 572-6159	Massy, M. Wendell (1992) Florida Community College-Kent Center 3939 Roosevelt Blvd. Jacksonville, FL 32205 (904) 387-8244	
Bell, Helen (1991) Dryersburg State Community College Lake Road Dryersburg, TN 38024 (901) 286-3382	McGlaun, Garry (1992) Gainesville Junior College P.O. Box 1358 Gainesville, GA 30503 (404) 535-6266	
Bray, Larry (1992) Miami-Dade Community College-So. Campus 11011 SW 104th Street Miami, FL 33176 (305) 347-2492	Minter, Anne (1992) 504 N. College Avenue Douglas, GA 31535 (913) 384-6973	
Cheek, William (1991) Central Piedmont Community College P.O. Box 35009 Charlotte, NC 29235 (704) 373-6968	White, Carol L. (1993) Athens Tech. U.S. Highway 29 North Athens, GA 30610 (404) 549-2360 (Assistant Industrial Sponsors Chair) (1993)	

2YC₃ ADVISORY BOARD, REGION III - MIDWESTERN STATES: Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin

PROGRAM CHAIR - 1991

REGIONAL CHAIR

		Martha Brosz Cincinnati Technical College 3520 Central Parkway Cincinnati, OH 45223 (513) 569-1710	(1992)
Advani, Roma Prairie State College 202 S. Halsted Street Chicago Heights, IL 60411 (708) 709-3604	(1993)	Kolb, Doris Bradley University Peoria, IL 61625 (306) 677-3029	(1991)
Banks, Lavoir Elgin Community College 1700 W. Spartan Avenue Elgin, IL 60123 (708) 697-1000 Ext. 320	(1991)	Krieger, Albert Jackson Community College 2111 Emmons Road Jackson, MI 49201 (517) 787-0800	(1991)
Bardole, Jay Vincennes University Vincennes, IN 47591-5201 (812) 885-4372	(1993)	Neff, David Jefferson Community College 109 East Broadway Louisville, KY 40202 (502) 584-0181	(1993)
Eidsness, Warren Normandale Community College 9700 France Avenue, S. Bloomington, MN 55431 (612) 830-9300	(1992)	Redmore, Fred Highland Community College Freeport, IL 61032 (815) 235-6121, Ext. 331	(1993)
Hammonds, Cecil The Metropolitan Comm. Colleges (MO) 3200 Broadway Kansas City, MO 64111 (816) 932-7659	(1992)	Rekow, Mary A. Jackson Community College 2111 Emmons Road Jackson, MI 49201 (517) 787-0800	(1991)
Johnson, Cullen Cuyahoga Community College-East Campus 4250 Richmond Road Warrensville Twp., OH 44122 (216) 987-2237	(1993)	Susskind, Tamar Y. Oakland Community College 2900 Featherstone Road Auburn Hills, MI 48507 (313) 340-6629	(1992)
Kenkel, John Southeast Community College - Lincoln 8800 "O" Street Lincoln, NE 68520 (402) 471-3333 (Site-Selection Committee Member)	(1991) (1993)	Weierich, Andre J. Southeast Community College Cumberland, KY 40823 (606) 589-2145	(1992)
Klein, David W. Kansas City Kansas Community College 7250 State Avenue Kansas City, KS 66112 (913) 334-1100, Ext. 152	(1992)	Weissmann, Katherine E. C.S. Mott Community College 1401 East Court Street Flint, MI 48502 (313) 232-6092	(1992)
Kock, Frank Bismarck State College 1500 Edwards Avenue Bismarck, ND 58501 (701) 224-5423	(1991)	Winklemann, John Illinois Valley Community College 2578 E. 350th Road Oglesby, IL 61348-1099 (815) 224-2720	(1993)

2YC₃ ADVISORY BOARD, REGION IV - EASTERN STATES: Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Virginia, Vermont, West Virginia

PROGRAM CO-CHAIRS - 1991

Paul Kreiss and
Sridharan Iyengar
Anne Arundel Community College
101 College Parkway
Arnold, MD 21012
(301) 541-2548, and 2266

REGIONAL CHAIR

Sridharan Iyengar (1993)
Anne Arundel Community College
101 College Parkway
Arnold, MD 21012
(301) 541-2266

Cherim, Stan (1991)
Delaware County Community College
Media, PA 19063
(215) 353-5400

Sollimo, Vincent (1991)
Burlington County College
Pemberton, NJ 08068
(609) 894-9311

Gaglione, Onofrio (1993)
New York City Technical College
300 Jay Street
Brooklyn, NY 11201-2983
(718) 643-8242
(Site-Selection Committee Member) (1991)

Stumpf, Dorothy (Dotty) (1992)
Middlesex Community College
Springs Road
Bedford, MA 01730
(617) 275-8910, Ext. 280

Kanter, Muriel (1993)
130 Rosseter Street
Dorchester, MA 02121
(617) 734-1960

Tobias, John (1992)
Westchester Community College
76 Grasslands Avenue
Valhalla, NY 10595
(914) 285-6939

Katz, David (1993)
Community College of Philadelphia
1700 Spring Garden Avenue
Philadelphia, PA 19130
(215) 751-8000

Vlassis, C.G. (1991)
Keystone Junior College
LaPlume, PA 18440
(717) 945-5141

Rainard, Barbara (1991)
Community College of Allegheny County
808 Ridge Avenue
Pittsburgh, PA 15212
(412) 237-2649

Whitfield, Thomas (1993)
Community College of Rhode Island
400 East Avenue
Warwick, RI 02886-1805
(401) 825-2257

Romano, Alla (1992)
New York City Technical College
300 Jay Street
Brooklyn, NY 11201
(718) 643-8242

CONFERENCE PROGRAM

114th TWO-YEAR COLLEGE CHEMISTRY CONFERENCE

DeKalb College, North Campus, 2101 Womack Road, Dunwoody, GA 30338
Friday, April 12 and Saturday, April 13, 1991

Program Theme: Toward the Second Millenium

Program Co-chairs: Michael L. Denniston (404)-299-4097
Judy Johnston (404)-299-4098
DeKalb College, Department of Science
(Central Campus)

Local Arrangements Chair: Larry Dickinson (404)-551-3130
DeKalb College, Department of Science
(North Campus)

Exhibit Coordinator: Larry Little (404)-244-5072
DeKalb College, Department of Science
(South Campus)

Friday, April 12, 1991

- 9:00 - 10:00 Registrations, Exhibits, Coffee
- 10:00 - 11:00 2YC, Advisory Board Meeting
Margot Schumm, Chair, presiding
(open to all interested parties)
- 11:00 - 11:15 Opening Ceremonies - Welcome
Margot Schumm, Chair COCTYC
Dr. Martha Nesbitt, Vice-President, Academic
Affairs, DeKalb College
- 11:15 - 12:00 Degrees of Literacy: A Problem for
Communicating the Hazards of Toxic Substances,
Dr. Carolyn Harper, Division of Toxicology,
Agency for Toxic Substances and Disease
Registry, Public Health Service, U.S.
Department of Health and Human
Services, Atlanta, Georgia 30333
- 12:00 - 1:30 Lunch, college cafeteria or area restaurants

SESSION ONE

- 1:30 - 3:15 **WORKSHOP:** Fun with Chemistry - Hands-on
Chemistry Activities for All Ages,
Dr. Mickey Sarquis, Miami University
Middletown, and Dr. Jerry Sarquis, Miami
University
enrollment limited - Enrollment will be based
on the order of receipt of preregistration
form.
Workshop fee: \$5 per person

CONFERENCE PROGRAM

SESSION TWO

SYMPOSIUM "Beyond the PC: The Impact of Networks and Supercomputers on Science Education"

1:30 - 2:30 **The Power Behind the PC: The Use of Networking, Supercomputing and Scientific Visualization in Chemistry Education**

Mary Trauner, Associate Director, Office of Information Technology, Georgia Tech

Bill Ribarsky, Acting Manager, High Performance Computing Group, Georgia Tech

2:30 - 2:40 Questions

2:40- 3:40 **Computational Chemistry and the Teaching Environment**

Nora Sabelli, Education Specialist
National Center for Supercomputing Applications
University of Illinois at Urbana-Champaign.

3:40 - 3:50 Questions

3:50 - 4:10 Coffee and Juice Break, Exhibits

4:10 - 4:50 **The Generation of Electron Density Maps for Use in the General Chemistry Classroom**

Michael Denniston
Department of Science
DeKalb College (Central Campus)

4:50 - 5:00 Questions

5:00 - 5:30 **The ABC's of Molecular Modeling**

Kathy Durkin
Department of Chemistry
Emory University.

6:00 - 7:00 Social Hour, Holiday Inn

7:00 - 9:30 Banquet, Holiday Inn
Panel Discussion: The Minority Science Student

CONFERENCE PROGRAM

Saturday, April 13, 1991

- 8:30 - 9:00 Coffee and Exhibits
- 9:00 - 10:00 **Microscale Laboratory Techniques in Inorganic, Organometallic and General Chemistry**
Dr. Mono M. Singh, Merrimack College
- 10:00 - 11:00 **Opportunities for the Two-Year Colleges at NSF**
Dr. Robert Watson, National Science Foundation
- 11:00 - 12:00 **KEYNOTE ADDRESS**
General Chemistry - Where to from here?
Dr. Steven Zumdahl
School of Chemistry
University of Illinois, Urbana-Champaign
- 12:00 - 1:30 Lunch - college cafeteria, \$5 - or on your own

SESSION THREE

enrollment limited - enrollment based on order of receipt of preregistration form

- 1:30 - 4:30 **WORKSHOP: Micro Scale Laboratory Techniques**
Dr. Mono M. Singh, Merrimack College

SESSION FOUR

enrollment limited - enrollment based on order of receipt of preregistration form

- 1:30 - 3:00 **WORKSHOP: Learning Styles of Community College Students**
Dr. Lavoisier Banks, Elgin Community College
- 3:00 - 3:20 Coffee and Juice Break, Exhibits
- 3:20 - 4:20 **WORKSHOP: Developing an Inservice Chemistry Course for 5th - 9th Grade Science Teachers Using CEPUP (Chemistry Education for Public Understanding Program) Modules**
Dr. Madeline Montelaro, Louisiana State University at Eunice

CONFERENCE PROGRAM

SESSION FIVE

enrollment limited - enrollment based on order of receipt of preregistration form

- 1:30 - 3:30 **Demonstrations and Student Experiments in Chemistry:
The Joy of Sound and Light in the Laboratory**
Dr. Irwin Talesnick, Queen's University

SESSION SIX

unlimited enrollment

- 1:30 - 2:00 **The Impact of Chemists on Society,**
Dr. Henry McBay, Clark Atlanta University
- 2:00 - 2:30 **Cognition and Achievement in Chemistry,**
Dr. Pat Saulson, Brookwood High School
- 2:30 - 3:00 **A Chemical Inventory Data Base to Conform to the
Right to Know Act,** Mr. Jim Lowe, DeKalb College
- 3:00 - 3:20 **Coffee and Juice Break, Exhibits**
- 3:20 - 3:50 **Electronegativity: Misunderstood and Underutilized,**
Dr. James Reed, Clark Atlanta University
- 3:50 - 4:20 **Programs for High School Students Which Aims at
Improving Their Preparation for College Science and
Math Courses,** Dr. J.K. Haynes, Morehouse College
- 4:20 - 4:50 **Computer Assisted Instruction for Inorganic
Nomenclature,** Earl Steadman, Mississippi County
Community College